Name:

Date:

## Check if Relation is a Function (12 pts classwork, version 45)

1. A relation is expressed as a list of (x, y) ordered pairs.

 $(7,5) \quad (3,7) \quad (7,4) \quad (6,4) \quad (4,3) \quad (1,8)$ 

• Is y a function of x? Why or why not?

no

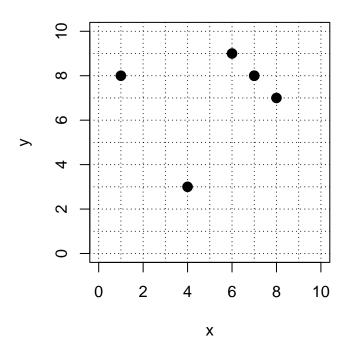
• Is x a function of y? Why or why not?

no

• One-to-one function? Why or why not?

no

2. A relation is shown as points on a graph.



• Is y a function of x? Why or why not?

yes

• Is x a function of y? Why or why not?

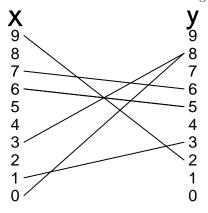
no

• One-to-one function? Why or why not?

no

## Check if Relation is a Function (version 45)

3. A relation is shown with segments connecting elements of two sets.



• Is y a function of x? Why or why not?

yes

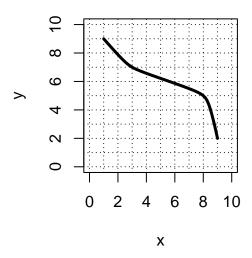
• Is x a function of y? Why or why not?

no

• One-to-one function? Why or why not?

nc

4. A relation is shown as a curve plotted on an x, y plane.



• Is y a function of x? Why or why not?

yes

• Is x a function of y? Why or why not?

yes

• One-to-one function? Why or why not?

yes